

GEOM. p. 518

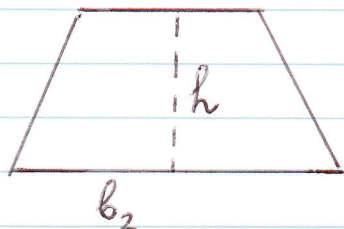
Total - 8 points

7d 2 points

$$V = b \cdot h \cdot H \quad b = 6; h = 8; H = 20$$

$$V = 6 \cdot 8 \cdot 20 = 960 \text{ cm}^3$$

7g -4 points



$$V = A_{\text{base}} \cdot H$$

$$A_{\text{base}} = \left(\frac{b + b_2}{2} \right) \cdot h$$

$$b = 6; b_2 = 7; h = 8; H = 20$$

$$V = \left(\frac{b_1 + b_2}{2} \right) \cdot h \cdot H = \left(\frac{6 + 7}{2} \right) \cdot 8 \cdot 20 = 1040 \text{ cm}^3$$

7j 2 points

$$r = 3 \quad H = 20$$

$$V = \pi r^2 \cdot H = \pi \cdot 3^2 \cdot 20 = \pi \cdot 9 \cdot 20 = 180\pi \text{ cm}^3$$